

ABSTRACT OF THE DISCLOSURE

5 A method and apparatus in which fibrous waste is
processed under initial over-pressure conditions is
disclosed. Once the fibrous waste has been loaded into
an autoclave, a compressor pressurizes the chamber,
following which caustic swelling and debonding solution
is injected into the chamber. In a further embodiment, a
caustic solution is introduced into the fiber slurry
output from an initial separation stage, following which
10 negative pressure is maintained for a period of time
chosen to enhance the desired debonding. In yet another
embodiment of the present invention, de-inking solution
is introduced into an initial fibrous waste processing
stage which operates at super- or sub-atmospheric
15 pressure.

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